Digital Color CCD Camera

CCTV SYSTEM

WWW.q-see.com

A.FEATURES:

This camera uses CCD as image captured device,so it is very small and light, anti-shock. It is your best choice for CCTV system:

（1）High Resolution.
The horizontal resolution is 420TVL.

（2）Auto Electronic shutter（AES）.
AES can modify the CCD exposure time automatically. A stable brightness and excellent exposured image will be captured no matter the outer light is strong or weak. ON and OFF are switchable.

（3）Back Light compensation（BLC）.
A new developed digital illumination intensity control function makes use of DPS technology to solve the shadow problem by modifying iris and gain.

（4）Auto Gain Control（AGC）.

（5）Auto Iris Lens VIDEO and DC drive.

B.PRECAUTIONS:

（1）Don`t aim the camera at strong light or put in a place where is rainny or dusty;

（2）Don`t touch CCD with finger,if necessary,Please clean the dust with soft cloth dipped with alcohol;

（3）Screw the anti-dust cap on the CCD if the camera are not used for long time;

（4）Power suppy refers to the specifications;

（5）Please handle carefully to avoid strong shock.

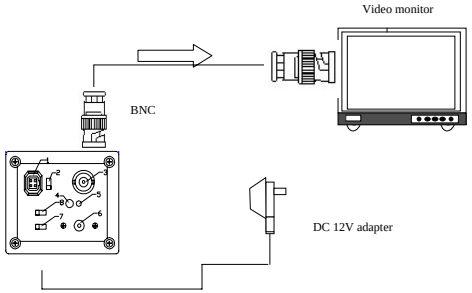
（6）The illumination distance in this manual is indoor night view distance. The infrared transmission will be affected if there is a big humidity or smoke in the air .Naturally, the viewable distance will be shortened and the night view effection will be declined objects are lawn, trees or objects without reflecting ability.

C.Parts Included:

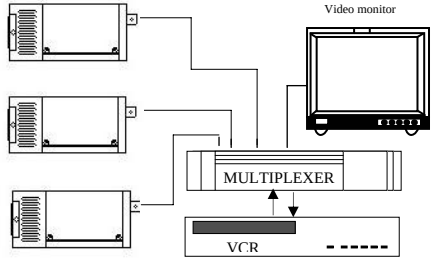
（1）One Camera（2）One Operation Manual（3）One Anti-dust Cap
（4）One IRIS Connector（E4-191J-100）

D.System Connection:

（1）One monitor system with one camera:

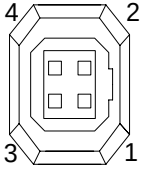


（2）One monitor system with two or more cameras:



（3）Auto Iris Lens:
（a）IRIS pin definition
（b）Modify level knob to get the best image quality

IRIS pin definitions



1.DAMP-/POWER
2.DAMP+/NC
3.DRIVE+/VIDEO
4.GND AES

E.OPERATION PROCEDURES:

（1）Make sure the power supply is right.

（2）Screw on a suitable lens on the camera.

（3）Connect the VIDEO output into monitor.Make sure the power supply is on ,and the image captured by camera should appear in the monitor.

（4）Modify the Iris and focus to get the best image quality.

（5）Background Focus Modification:
The background focus is usually up before the camera is sold.But under some special status, background focus need to be modified. When modifying it ,put lens focus at ∞,capture an image of object 20m far away ,screw off the fix screw to modify the focal position to get a clear image on the monitor, and then fix the screw.

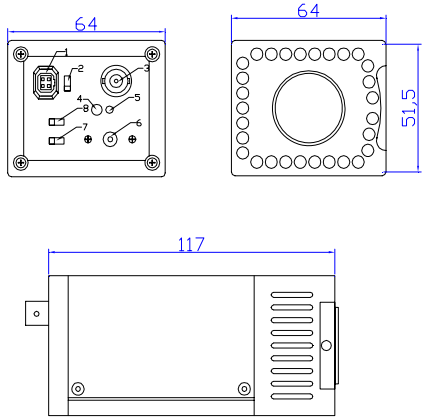
（6）Electronic shutter:
Under EE model, the shutter speed will be modified according to the surrounding illumination.

F.SPECIFICATIONS:

Model	QPSCD NV	
Image Sensor	1/3"SHARP CCD	
Picture Elements	PAL/NTSC:512(H)×492(V)	
Horizontal Resolution	420TVL	
Sync System	Internal	
Scanning system	Interlace2:1	
Electronic Shutter time	1.0Vp-p 750Ω BNC	
White Balance	On/Off	
Gamma	0.45	
S/N Ratio	⩾48dB	⩾50dB
Video Output	PAL /NTSC:1/50S~1/100000S	
Usable Illumination	0.5Lux/0Lux	
IR LDEs Distance	30m	
IR LEDs Amount	28PCS	
AGC	On/Off	
BLC	On/Off	
Auto Iris	Video/DC	
Mount Lens	C/CS	
Lens	3.5mm~8mm	
Power Supply	DC12V	
Power Consumption	150mA	
Operating	-20℃～+60℃	
Weight	480g	

*When IR LEDs on

Specification:



Design and specifications are subject to change without prior notice.
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